

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	32	("4272699"   "5482601"   "5500200"   "5697827"   "5726524"   "5773834"   "5773921"   "5872422"   "5973444"   "6129901"   "6146227"   "6159742").PN. OR ("6401526").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/01 10:18
L3	2727147	I2 and (catalyst near2 (particle nanoparticle)) and (polymer protein peptide (nucleic near2 acid) dna rna) and (attach adhere align place affix fix deposit stick connect bind ligate join link cohere anchor secure) aand (substrate plate layer surface film)	USPAT	OR	ON	2006/06/01 10:19
L4	7	I2 and ((catalyst near2 (particle nanoparticle)) and (polymer protein peptide (nucleic near2 acid) dna rna) and (attach adhere align place affix fix deposit stick connect bind ligate join link cohere anchor secure) and (substrate plate layer surface film))	USPAT	OR	ON	2006/06/01 10:19
L5	405	fd<"20031213" and ((polymer protein peptide (nucleic near2 acid) dna rna) same (nanotube nanofiber nanofibre) same substrate)	US-PGPUB	OR	ON	2006/06/01 11:04
L6	97	fd<"20031213" and ((catalyst near2 (particle nanoparticle)) same (polymer protein peptide (nucleic near2 acid) dna rna) same (attach adhere align place affix fix deposit stick connect bind ligate join link cohere anchor secure) same (substrate plate layer surface film))	USPAT	OR	ON	2006/06/01 11:08
L7	63	fd<"20031213" and ((catalyst near2 (particle nanoparticle)) same (polymer protein peptide (nucleic near2 acid) dna rna) same (attach adhere align place affix fix deposit stick connect bind ligate join link cohere anchor secure) same (substrate plate layer surface film))	US-PGPUB	OR	ON	2006/06/01 11:20
L8	0	2003/0132121	US-PGPUB	OR	ON	2006/06/01 11:20
L9	1	"20030132121"	US-PGPUB	OR	ON	2006/06/01 11:20
L10	1	"20030132121" and remov\$4	US-PGPUB	OR	ON	2006/06/01 11:20

## EAST Search History

L11	115	(catalyst near2 (particle nanoparticle)) and (polymer protein peptide (nucleic near2 acid) dna rna) and (attach adhere align place affix fix deposit stick connect bind ligate join link cohere anchor secure) and (substrate plate layer surface film)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 11:21
L12	289	(polymer protein peptide nucleic acid) and (nanotube nanofiber nanofibre) and substrate	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 11:39
L13	2	"750141"	US-PGPUB	OR	ON	2006/06/01 12:33
L14	75942	"750141"and burn\$4	US-PGPUB	OR	ON	2006/06/01 12:33
L15	1	"750141" and burn\$4	US-PGPUB	OR	ON	2006/06/01 13:01
L16	1	"750141" and non-random	US-PGPUB	OR	ON	2006/06/01 14:13
L17	1431	DNA with force\$3 withn\$6	USPAT	OR	ON	2006/06/01 14:14
L18	5	DNA with force\$3 with align\$6	USPAT	OR	ON	2006/06/01 14:15
L19	984437	force\$3 with flow\$3 align\$6	USPAT	OR	ON	2006/06/01 14:16
L20	1872	force\$3 with flow\$3 with align\$6	USPAT	OR	ON	2006/06/01 14:16
L21	33	I20 and dna	USPAT	OR	ON	2006/06/01 14:16
S1	0	977/dig.1./ccls.	USPAT	OR	ON	2005/12/12 14:57
S2	0	977/dig.1..ccls.	USPAT	OR	ON	2005/12/12 14:57
S3	2686	977/dig.1.cccls.	USPAT	OR	ON	2005/12/12 14:57
S4	313	S3 and (polymer same substrate)	USPAT	OR	ON	2005/12/12 14:58
S5	23	S3 and (polymer same substrate same nanotube)	USPAT	OR	ON	2005/12/12 15:12
S6	0	nanotube same (polymer dna rna peptide polypeptide protein) same "catalytic nanoparticle"	USPAT	OR	ON	2005/12/12 15:22
S7	583	nanotube same (polymer dna rna peptide polypeptide protein)	USPAT	OR	ON	2005/12/12 15:12
S8	44	nanotube same (polymer dna rna peptide polypeptide protein) same (catalytic catalyst)	USPAT	OR	ON	2005/12/13 08:47
S9	8	(US-6041600-\$ or US-6426134-\$ or US-6576341-\$ or US-6808746-\$ or US-6866801-\$ or US-6905667-\$ or US-6923946-\$ or US-6958216-\$). did.	USPAT	OR	ON	2005/12/13 08:44
S10	8	(US-6041600-\$ or US-6426134-\$ or US-6576341-\$ or US-6808746-\$ or US-6866801-\$ or US-6905667-\$ or US-6923946-\$ or US-6958216-\$). did.	USPAT	OR	ON	2005/12/13 11:20

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S11	1	"6866801".pn. and (polymer same catal\$5)	USPAT	OR	ON	2005/12/13 08:44
S12	1	"6866801".pn. and (polymer and catal\$5)	USPAT	OR	ON	2005/12/13 08:44
S13	122	nanotube same (polymer dna rna peptide polypeptide protein) same (catalytic catalyst)	US-PGPUB	OR	ON	2005/12/13 08:47
S14	4	"6232706".pn. "6258401".pn. "6283812".pn. "6297592".pn. "6346189.pn"	USPAT	OR	ON	2005/12/13 11:20
S15	4	"6232706".pn. "6258401".pn. "6283812".pn. "6297592".pn. "6346189.pn."	USPAT	OR	ON	2005/12/13 11:21
S16	5	"6232706".pn. "6258401".pn. "6283812".pn. "6297592".pn. "6346189".pn.	USPAT	OR	ON	2005/12/13 12:05
S17	3	S16 and polymer	USPAT	OR	ON	2005/12/13 11:49
S18	1	"20050053542"	US-PGPUB	OR	ON	2005/12/13 11:50
S19	1	"20050053542" and polymer	US-PGPUB	OR	ON	2005/12/13 11:50
S20	2	S16 and nanoparticle	USPAT	OR	ON	2005/12/13 12:08
S21	1	"6,764,874".pn. and nanoparticles	USPAT	OR	ON	2005/12/13 12:10
S22	21	"catalytic nanoparticles"	USPAT	OR	ON	2005/12/13 12:26
S23	0	"6401526".pn. and "catalyst nanoparticle"	USPAT	OR	ON	2005/12/13 12:51
S24	0	"6401526".pn. and "catalyst near3 nanoparticle"	USPAT	OR	ON	2005/12/13 12:26
S25	0	"6401526".pn. and (catalyst near3 nanoparticle)	USPAT	OR	ON	2005/12/13 12:26
S26	210	"polymer alignment"	USPAT	OR	ON	2005/12/13 12:52
S27	1	polymer near5 align\$5	USPAT	OR	ON	2005/12/13 12:52
S28	3425	polymer near5 align\$5	USPAT	OR	ON	2005/12/13 12:53
S29	129	(polymer near5 align\$5) same ("optical tweezer" "optical tweezers" "electrical field" "magnetic field" "molecular combing" "microfluidic flow")	USPAT	OR	ON	2005/12/13 13:11
S30	4579	S29 tweezer	USPAT	OR	ON	2005/12/13 13:01
S31	2	S29 and tweezer	USPAT	OR	ON	2005/12/13 15:07
S32	3	(polymer near5 align\$5) same ("double stranded" "forced flow alignment")	USPAT	OR	ON	2005/12/13 13:13
S33	40	(polymer near5 align\$5) and ("double stranded" "forced flow alignment")	USPAT	OR	ON	2005/12/13 13:13

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S34	0	(polymer near5 align\$5) and "forced flow alignment"	USPAT	OR	ON	2005/12/13 13:13
S35	0	"forced flow alignment"	USPAT	OR	ON	2005/12/13 13:13
S36	1	"6401526".pn.	USPAT	OR	ON	2005/12/13 15:23
S37	1	"6696022".pn.	USPAT	OR	ON	2005/12/13 15:23
S38	880	(polymer protein peptide nucleic acid) same (nanotube nanofiber nanofibre)	USPAT	OR	ON	2006/05/31 09:51
S39	145	(polymer protein peptide nucleic acid) same (nanotube nanofiber nanofibre) same substrate	USPAT	OR	ON	2006/06/01 11:38
S40	51	(polymer protein peptide nucleic acid) same (nanotube nanofiber nanofibre) same substrate same remov\$4	USPAT	OR	ON	2006/05/31 10:07
S41	41	(polymer protein peptide (nucleic near2 acid) dna rna) same (nanotube nanofiber nanofibre) same substrate same remov\$4	USPAT	OR	ON	2006/06/01 12:32
S42	136	(polymer protein peptide (nucleic near2 acid) dna rna) same (nanotube nanofiber nanofibre) same substrate	USPAT	OR	ON	2006/06/01 11:01
S43	650	(polymer protein peptide (nucleic near2 acid) dna rna) same substrate and (nanotube nanofiber nanofibre)	USPAT	OR	ON	2006/05/31 10:13
S44	292	(polymer protein peptide (nucleic near2 acid) dna rna) same substrate same (guid\$4 direct\$4) and (nanotube nanofiber nanofibre)	USPAT	OR	ON	2006/05/31 10:14
S45	277	(polymer protein peptide (nucleic near2 acid) dna rna) same substrate same (guid\$4 direct\$4) and (nanotube)	USPAT	OR	ON	2006/05/31 10:14
S46	264	(polymer protein peptide (nucleic near2 acid) dna rna) same substrate same (guid\$4 direct\$4) and (carbon near3 nanotube)	USPAT	OR	ON	2006/05/31 10:16
S47	66	(polymer protein peptide (nucleic near2 acid) dna rna) with substrate same (guid\$4 direct\$4) and (carbon near3 nanotube)	USPAT	OR	ON	2006/05/31 14:13
S48	95	S42 not S41	USPAT	OR	ON	2006/05/31 10:41
S49	402	(polymer protein peptide (nucleic near2 acid) dna rna) same (nanotube nanofiber nanofibre) same substrate	US-PGPUB	OR	ON	2006/05/31 15:24

## EAST Search History

S50	161	(catalyst near2 (particle nanoparticle)) same (polymer protein peptide (nucleic near2 acid) dna rna) same (attach adhere align place affix fix deposit stick connect bind ligate join link cohere anchor secure)	USPAT	OR	ON	2006/05/31 16:45
S51	97	(catalyst near2 (particle nanoparticle)) same (polymer protein peptide (nucleic near2 acid) dna rna) same (attach adhere align place affix fix deposit stick connect bind ligate join link cohere anchor secure) same (substrate plate layer surface film)	USPAT	OR	ON	2006/06/01 11:06
S52	99	(catalyst near2 (particle nanoparticle)) and (polymer protein peptide (nucleic near2 acid) dna rna) and (attach adhere align place affix fix deposit stick connect bind ligate join link cohere anchor secure) and "977"/\$.ccls.	USPAT	OR	ON	2006/05/31 16:46
S53	99	(catalyst near2 (particle nanoparticle)) and (polymer protein peptide (nucleic near2 acid) dna rna) and (attach adhere align place affix fix deposit stick connect bind ligate join link cohere anchor secure) and "977"/\$.ccls. and (substrate plate layer surface film)	USPAT	OR	ON	2006/06/01 11:21